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					1886·0.			Mer. Obs.	Reductions to App. Place.	
		h	m	s	°	′	″		s	″
62	L.L. 33895	18	17	17·07	+11	58	26·3	,, 2, 3	+0·85	+10·6
63	D.M. +9°, 3885	18	44	51·59	+9	22	59·7	,, 2	+0·96	+11·9
64	W.B. 1186	18	48	4·62	+9	31	10·0	Glasgow 3, 4	+0·96	+12·2
				4·72			9·7	Armagh, 7		
65	L.L. 35624	18	58	2·62	+8	7	39·0	Harrow 3	+1·03	+12·4
				2·53			40·3	Glasgow 2, 3		
66	W.B. 1474	18	59	0·71	+8	7	39·7	Harrow 3	+1·03	+12·5
67	Lamont 4063	19	11	6·04	+6	43	19·2	,, 2	+1·09	+12·9
68	W.B. 405	19	26	0·11	+4	46	52·2	,, 4	+1·17	+13·2
69	D.M. +4°, 4168	19	31	40·61	+4	24	11·4	,, 3	+1·17	+13·4
					1887·0.					
70	W.B. 1286	19	53	0·23	+1	21	45·3	Glasgow 2, 3	−1·75	+4·1
71	L.L. 29697	16	12	44·19	−8	47	36·0	Harrow 3	+2·07	+2·7
72	W.B. 272	16	16	25·26	−6	35	49·9	,, 3	+2·07	+3·4
73	S.D. −6°, 4425	16	18	19·29	−6	27	43·0	,, 4	+2·07	+3·5
74	L.L. 29970	16	22	48·50	−5	11	40·9	,, 3	+2·07	+3·9
75	L.L. 30118	16	28	1·95	−3	33	5·9	,, 5	+2·07	+3·5
76	Lamont 5231	16	32	42·83	−1	50	0·5	,, 3	+2·07	+5·2
77	Anonymous 9·2 mag.	7	9	2·80	+8	55	36·5	Cambridge 4	+0·87	−9·6

Observations of the Planet Sappho made at the Cambridge Observatory with the Northumberland Equatorial and Square-Bar Micrometer.

(*Communicated by Prof. J. C. Adams.*)

Greenwich Mean Time 1887.	R.A.			Decl.			Number of Comparisons.	Name of Comparison Star.
	h	m	s	°	′	″		
Jan. 12·42844	7	0	35·22	8	59	37·46	10	Arg. +8°—1651
,, 20·40714	6	52	33·75	9	17	24·50	8	,, +9—1352
	6	52	33·89	9	17	27·27		,, +9—1353
	6	52	33·97	9	17	26·24		,, +9—1396
Jan. 25·42877	6	48	10·20	9	32	1·94	10	,, +9—1314
,, 26·38245	6	47	24·51	9	35	4·10	10	,, +9—1314
	6	47	24·38	9	35	2·90		,, +9—1330
Jan. 31·36133	6	43	49·78	9	51	44·70	12	,, +9—1297
Feb. 1·42203	6	43	9·62	9	55	37·46	10	,, +9—1276
Feb. 2·38874	6	42	34·78	9	59	6·72	10	,, +9—1276

Observations not corrected for Aberration and Parallax.

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Places of some Stars which have been compared with the Planet Sappho at the Cambridge Observatory and elsewhere; deduced from observations with the Cambridge Transit Circle.

Arg.	No.	Mag.	Mean R.A. Jan. 1, 1887.	Mean N.P.D. Jan. 1, 1887.	Number of Observations
	°		h m s	° ′ ″	
Arg.	+9—1276	7-5	6 39 13·314	80 7 5·05	5
„	+9—1297	8-5	6 43 22·912	80 15 1·17	5
„	+9—1314	7-7	6 45 23·784	80 25 38·70	5
„	+9—1330	8-9	6 48 19·610	80 22 25·73	5
„	+9—1352	9	6 50 56·975	80 46 15·67	4
„	+9—1353	9	6 50 58·533	80 50 54·87	3
„	+9—1394	7-9	6 57 2·624	80 48 39·80	3
„	+8—1626	9-4	6 57 3·940	81 3 53·64	2
„ B.A.C.	+9—1396 2304	6	6 57 7·239	80 41 54·64	5
Arg.	+8—1651	8-4	7 0 33·209	81 6 32·65	5
„	+9—1447	8-3	7 4 27·586	81 1 56·56	3
„	+8—1697	8-7	7 7 8·651	81 15 13·51	3
„	+8—1709	9-4	7 9 2·798	81 4 23·47	4
„	+8—1752	9	7 17 30·215	81 12 19·88	3
„	+9—1541	8-9	7 19 20·611	80 59 32·69	3
„	+9—1569	9	7 22 54·534	80 59 24·45	3
„	+8—1801	8-5	7 26 38·076	81 6 13·69	3

On the Orbit of Comet II. 1883. By Lieut.-Gen. J. F. Tennant, R.E., F.R.S.

I recently sent a note to the Secretaries acknowledging that Mr. Bryant had pointed out two mistakes in the comparison of the places of this comet with my Ephemeris. I was, however, on looking over his paper, very doubtful as to the mode in which his normal places were obtained, and have examined and repeated my calculations.

Believing that Mr. Bryant had verified all my reductions, I assumed these, with the corrections he pointed out, to be accurate, and proceeded to interpolate the errors of the Ephemeris so as to get the most probable values at the same dates as before. The errors changed a good deal, and on proceeding to compute a parabolic orbit I found that the following (which is close to Mr. Tebbutt's) represented my new places almost exactly:—

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